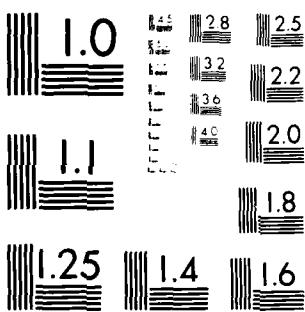


AD-A144 850 19316B MLRS MISSILE NUMBER V61-43 V61-44 V61-45 V61-46
V61-68 ROUND NUMBER. (U) ARMY ELECTRONICS RESEARCH AND
DEVELOPMENT COMMAND WSMR NM ATM.. D C KELLER 29 JUN 84
UNCLASSIFIED ERADCOM/ASL/DR-1348 F/G 4/2 NL

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DATE
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 EDITION

DR-1348
June 1984

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METEOROLOGICAL DATA REPORT
193168 MLRS
MISSILE NUMBER V61-43, V61-44, V61-45, V61-46, V61-68
ROUND NUMBER V603/AT2-65 THRU V607/AT-2-69
29 June 1984

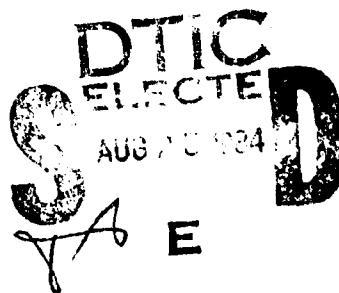
by

DONALD C. KELLER
Program Support Coordinator
Phone Number (505) 679-9568
AVM Number 349-9568

ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO

.....
ECOM
UNITED STATES ARMY ELECTRONICS COMMAND

84 08 20 178



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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE (and Subtitle) 19316B Missile Number V61-43, V61-44, V61-45, V61-46, V61-68 Round Number V603/AT2-65 THRU V607/AT-2-69	5. TYPE OF REPORT & PERIOD COVERED	
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Meteorological data gathered for the launching of the 19316B MLRS, Missile Number V61-43, V61-44, V61-45, V61-46, V61-68, Round Number V603/AT2-65 THRU V607/AT-2-69 are presented in tabular form.		

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INTRODUCTION

19316B MLRS, Missile Numbers V61-43, V61-44, V61-45, V61-46, and V61-68 Round Numbers V603/AT2-65 Thru V607/AT2-69, were launched from Brillo, White Sands Missile Range (WSMR). New Mexico, at 0707:01, 0707:06, 0707:11, 0739:05, and 0739:10 MDT, 29 June 1984. The scheduled launch times were 0700 MDT and 0730 MDT with a 4.5 second separation.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

(1) Standard surface observations to include pressure, temperature ($^{\circ}\text{C}$), relative humidity, dew point ($^{\circ}\text{C}$), density (gm/m^3), wind direction speed, and cloud cover were made at the Brillo Met Site at T-0 minutes.

(2) Anemometer data were provided from existing tower-mounted anemometers at Brillo. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low Level wind data were obtained from pilot-balloon observations at:

SITE AND ALTITUDE

D 3 1/2	2 km
Deadhorse	2 km

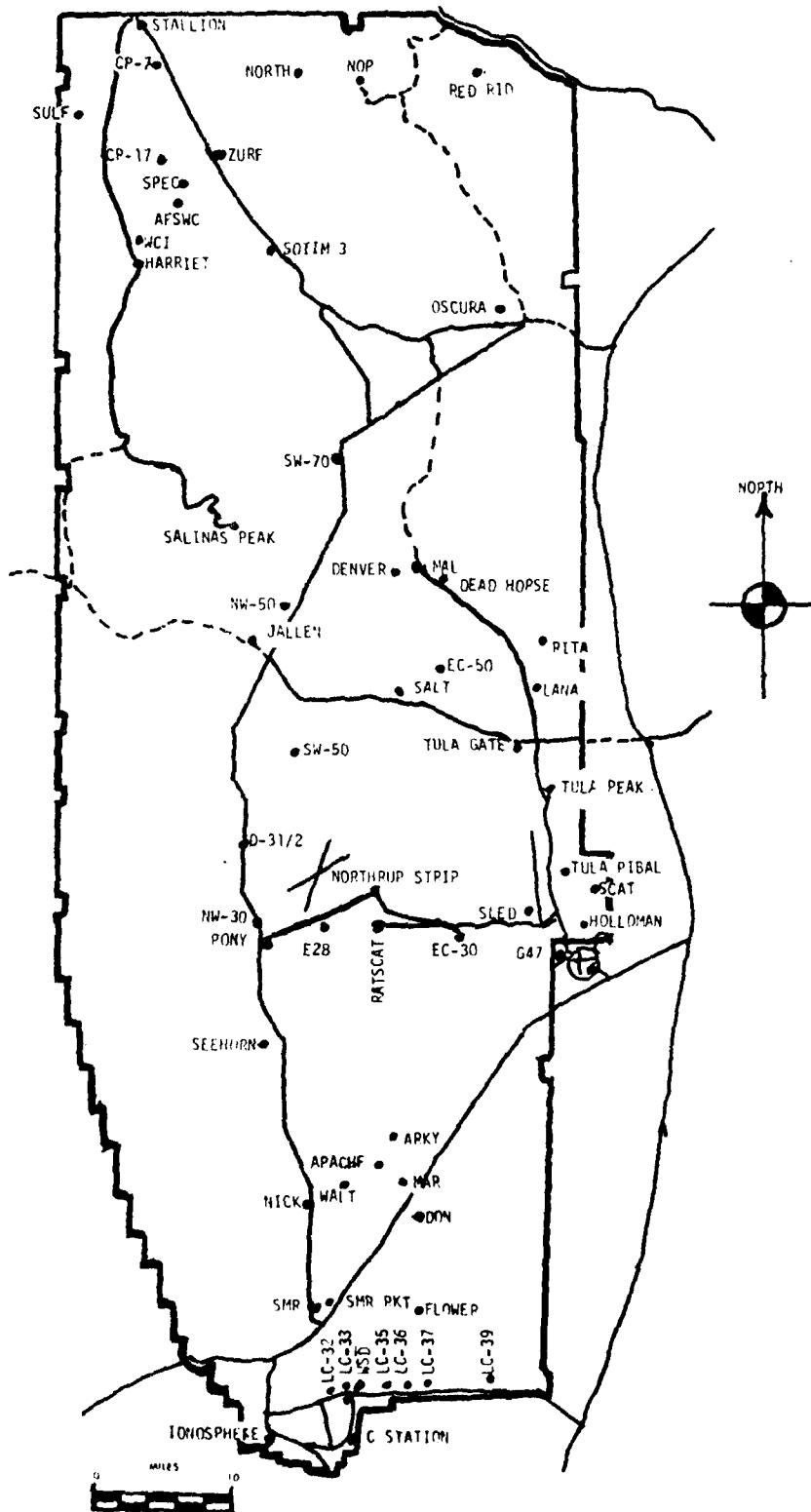
SITE AND TIME

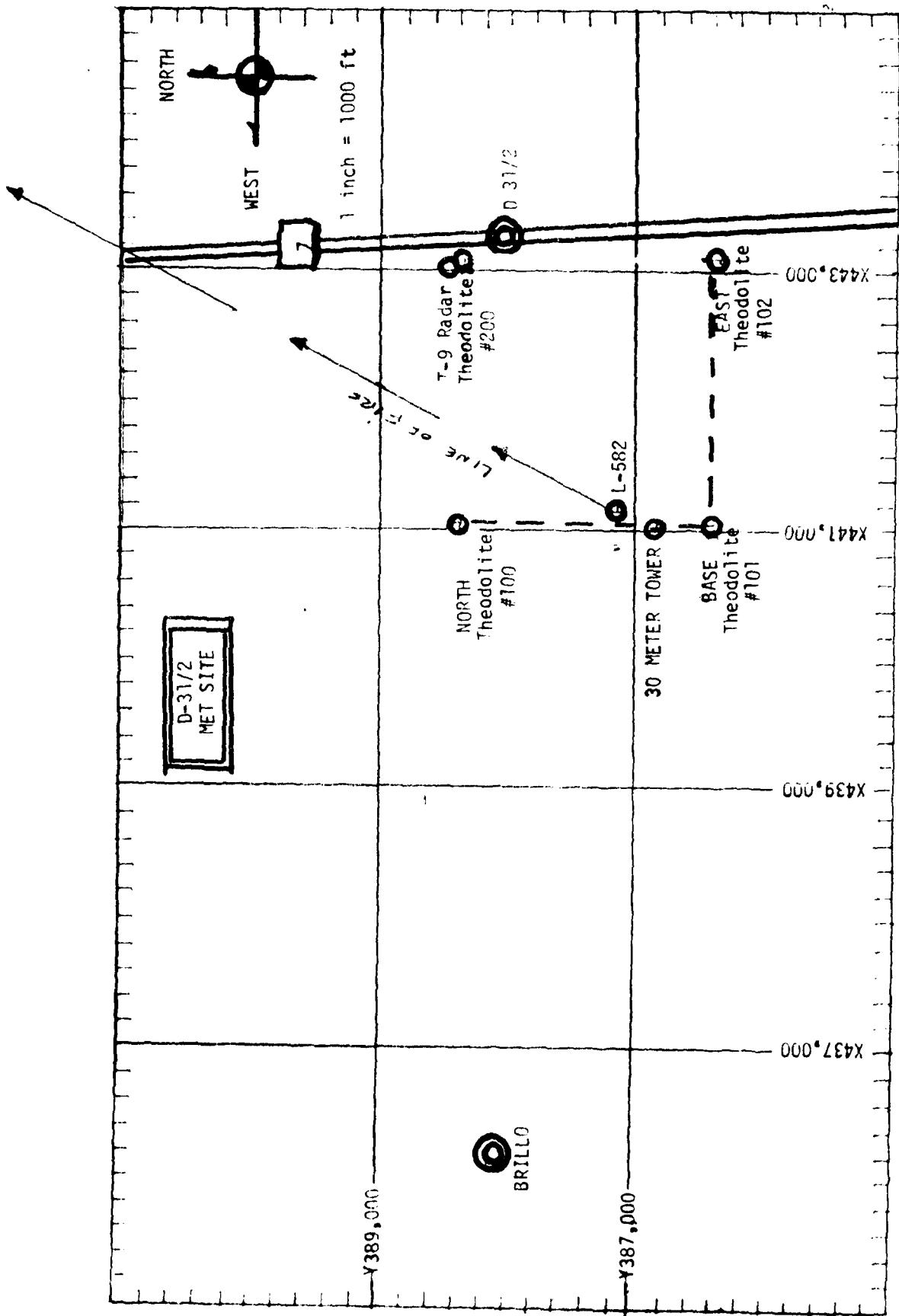
NW-30	0510 MDT
Jallen	0500 MDT
NW-30	0707 MDT
Jallen	0740 MDT



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WSMR METEOROLOGICAL SITES





PROJECT NUMBER 44004

TABLE 1

DATE 29 Jun 1984

STATION BRILLO

TIME H D T	PRESSURE mb	TEMPERATURE °C	REL. HUMID. %	REL. HUMID. %	DENSITY g/m ³	WIND DIR.	SPEED kts	CHARACTER	VISIBIL- ITY
0630	881.7	20.5	13.0	62		330	5		40
0707	881.7	22.4	14.0	59		340	6		40
0739	881.6	23.8	14.4	56		360	7		40

DESTRUCTIVE TO VISIBILITY	1st LAYER		2nd LAYER		3rd LAYER		REMARKS
	HGT	TYPE	HGT	TYPE	HGT	TYPE	
	8	Ci	22,000				
	7	Ci	22,000				
	7	Ci	22,000				

PSYCHROGRAM COMPUTATION

TIME:	0630	0707	0739
DRY BULB TEMP.	20.5	22.4	23.8
WET BULB TEMP.	15.6	16.8	17.5
WET BULB DEPR.	4.9	5.6	6.3
DEN. POINT	13.0	14.0	14.4
RELATIVE HUMID.	62	59	56

TABLE 2

ANEMOMETER DATA - 30 Ft Level of 30 Meter Tower
X= 461,018.71 Y= 386,849.19 H= 4004.80 (BASE)

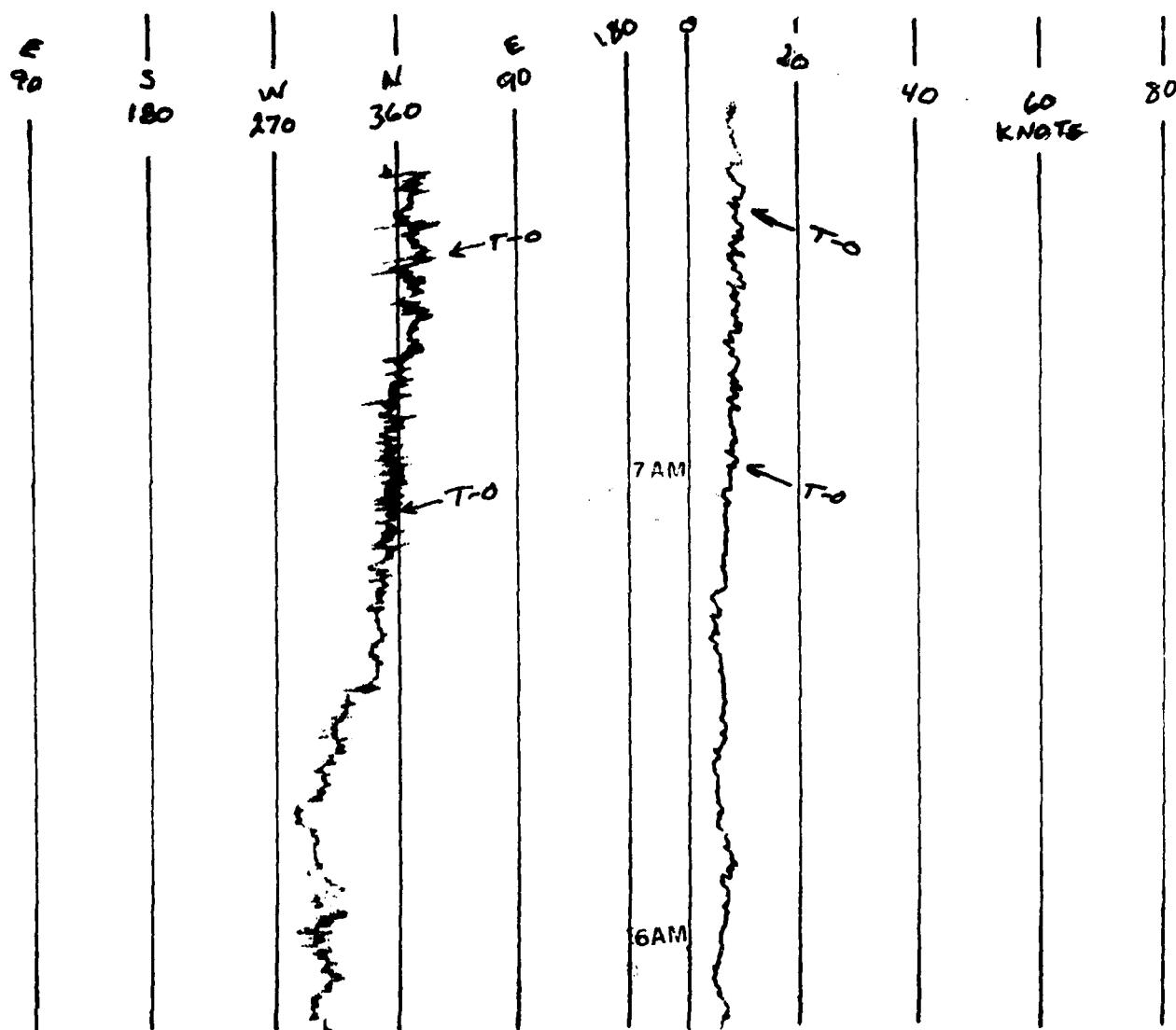


TABLE 3

ANEMOMETER DATA - 60 Ft Level of 30 Meter Tower

X= 441,018.71 Y= 386,849.19 H= 4004.60(BASE)

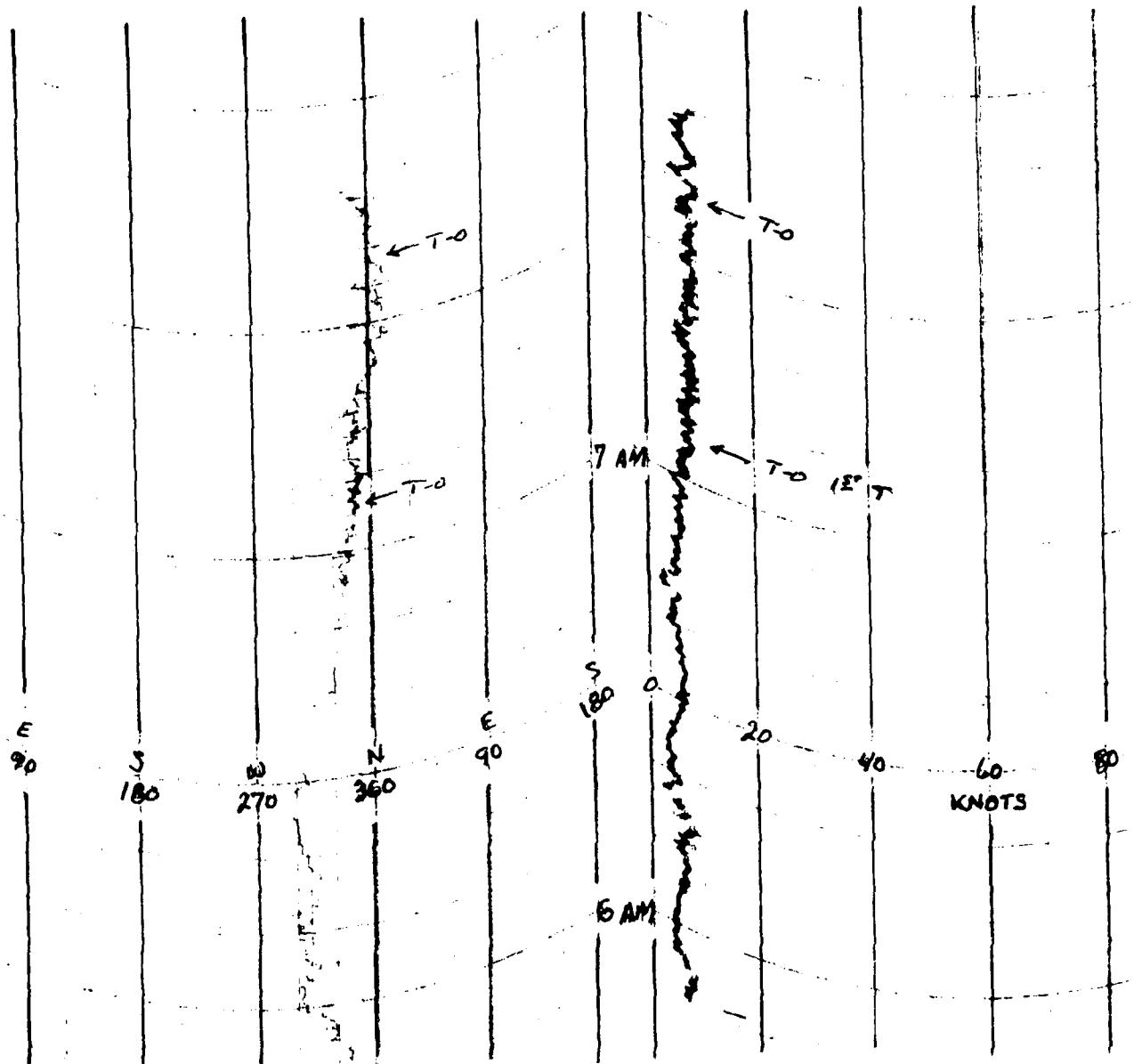


TABLE 4

ANEMOMETER DATA - 90 Ft Level of 30 Meter Tower
X= 441,018.71 Y= 386,849.19 H= 4004.80 (BASE)

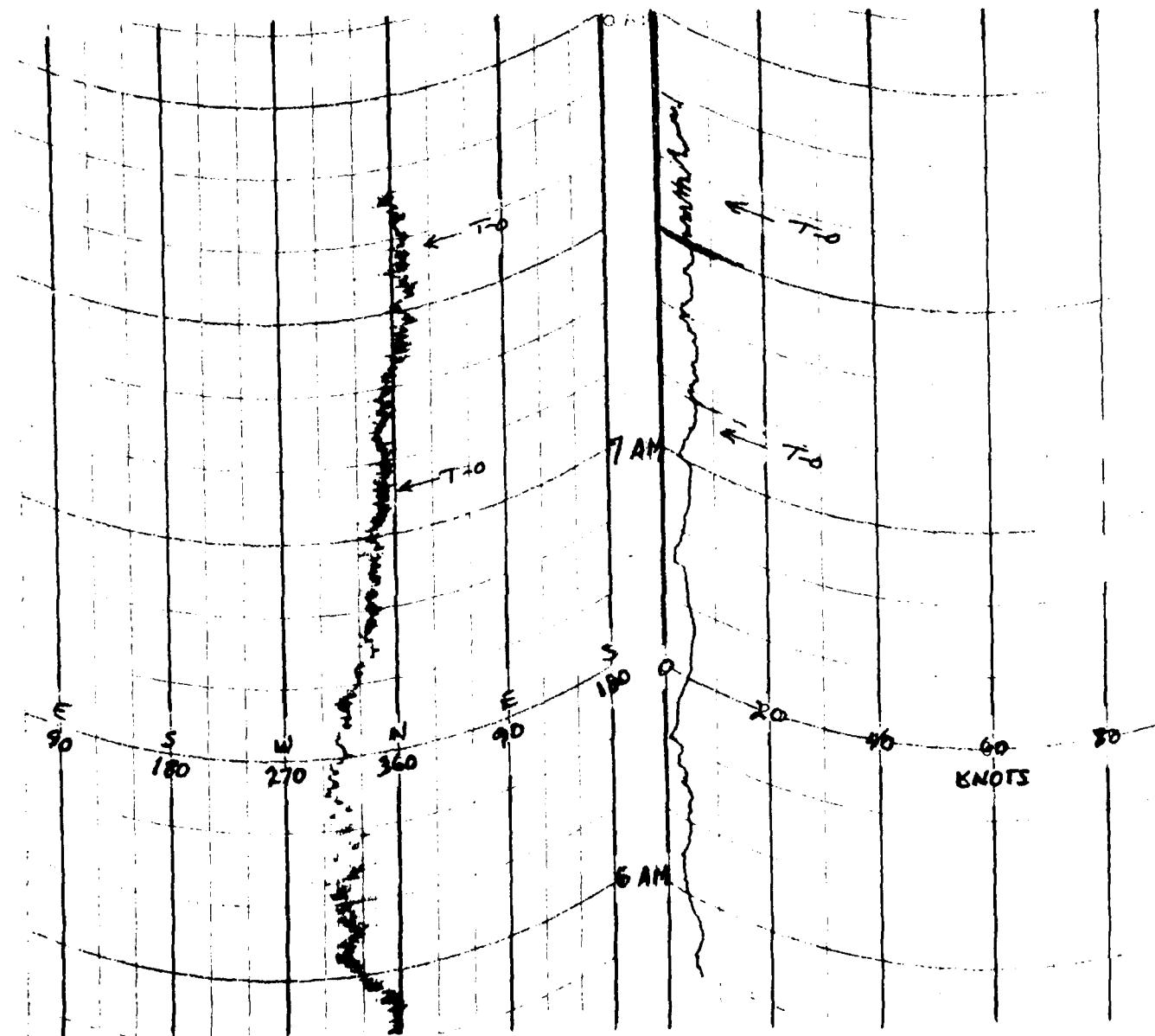


TABLE 5

1-HOUR PILOT-BALLOON MEASURED WIND DATA

DATE 29 June 1984

FILE: D-3 1/2

SITE: DEADHORSE

TIME: 0707 MDT

TIME 0700 MDT

WSTM COORDINATES:

WSTM COORDINATES:

X 441,053.12

X 519,982.11

Y 386,316.94

Y 490,249.23

H 4,008.31

H 4,133.12

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS	LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	330	04	SURFACE		CALM
150	348	09	150	352	05
210	349	09	210	355	05
270	351	09	270	014	02
330	348	09	330	089	01
390	346	08	390	304	02
450	340	05	500	292	07
510	334	02	650	225	03
570	010	05	800	158	03
630	024	08	950	335	06
690	046	10	1150	358	05
750	050	09	1350	348	07
810	061	09	1550	015	08
870	079	09	1750	053	06
930	086	10	2000	096	08

All Data obtained from Double Theodolite Tracked pilot-balloon observations

TABLE 6

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 29 June 1984

SITE: D-3 1/2

TIME: 0740 MDT

WSTM COORDINATES:

X= 441,053.12

Y= 386,316.94

H= 4,008.31

SITE: DEADHORSE

TIME 0730 MDT

WSTM COORDINATES:

X= 519,982.11

Y= 490,249.23

H= 4,133.12

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS	LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	330	05	SURFACE	180	03
150	006	09	150	008	05
210	008	10	210	012	06
270	009	10	270	024	06
330	007	10	330	036	06
390	005	09	390	037	05
500	360	08	500	038	04
650	353	04	650	005	02
800	009	03	800	322	06
950	039	05	950	345	,10
1150	036	11	1150	009	11
1350	044	11	1350	017	13
1550	056	10	1550	027	14
1750	057	11	1750	044	15
2000	MISG	MISG	2000	067	14

All Data obtained from Double Theodolite Tracked pilot-balloon observations

TABLE 7

AIMING AND T-TIME COMPUTER MET MESSAGE DATA
29 June 1984

NW-30 0510MVT	JALLEN 0500 MDT
METCM1329065	MATCM1332065
291120122881	291100124879
00000000 29530881	00000000 29400879
01031003 29760871	01630003 29660869
02315002 29710847	02269005 29650845
03298005 29400808	03331007 29440806
04046005 29010763	04124002 29100761
05063011 28670719	05146006 28720717
06137011 28320677	06139013 28370676
07168020 27950637	07175021 28000636
08185023 27510599	08162024 27590598
09156025 27110563	09129027 27190562
10128024 26860529	10130033 26820528
11107017 26630496	11111021 26650495
12189012 26240450	12168011 26250449
13225005 25530395	13217009 25520394
14618010 24800345	14638007 24800344
15557019 24030300	15555019 24060299
16579028 23220260	16568029 23320259
17560032 22380224	17561034 22460224
18540033 21530192	18541038 21641092
	19560042 20870163

NW-30 0707 MDT	JALLEN 0740 MDT
METCM1329065	METCM1332065
291310122882	291370124880
00640003 29630882	00071004 29600880
01612009 29610872	01031007 29630870
02001006 29600847	02039005 29580845
03054003 29410809	03016005 29360807
04085011 29140763	04052010 29120761
05165011 28840719	05121010 28680717
06156019 28440678	06170017 28320676
07170022 28020638	07175020 27800636
08177021 27570600	08176021 27540598
09172021 27170564	09177022 27080562
10161021 26990530	10160021 26870527
11141013 26700497	11146018 26580495
12201010 26270451	12183010 26020449
13251004 25590396	13242005 25380393
14610009 24890346	14580009 24620343
15561002 24150301	15553022 23880298
16574029 23340261	16580028 23110258
17550032 22520225	17555033 22180222
18544034 21720193	18556039 21430190

STATION ALTITUDE 4212.40 FEET MSL
25 JUN 24 0510 MDT
ASCENDANCY NO. 13

SIGNIFICANT LEVEL
1P13270013
N# 30

GEOMETRIC COORDINATES
32.35637 LAT DEG
119.44971 LONG

TABLE 8

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE FEET SSL	TEMPERATURE AIR DEADPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT
381.4	6510.4	20.1	55.3
379.2	6116.2	21.7	55.3
377.0	6491.5	23.0	51.0
350.0	5642.9	22.1	51.0
763.7	7353.5	15.0	72.0
736.6	9152.2	13.1	57.0
700.0	10435.2	11.1	55.0
577.7	11373.7	3.9	51.0
561.9	12012.2	9.5	79.9
532.0	13265.4	5.4	13.0
520.2	15252.3	-4	10.4
573.2	15852.3	-1.6	7.1
561.3	15375.3	-2.9	-11.4
546.5	17125.3	-6.4	-17.9
569.1	17911.5	-6.5	-24.6
500.0	19390.5	-6.6	-21.5
697.2	12825.1	-7.5	-29.0
627.9	21346.3	-12.8	-21.5
407.0	25021.4	-17.0	-25.1
158.1	27351.5	-22.5	-22.7
751.1	27515.5	-22.5	-39.7
302.5	31159.5	-7.1	-65.1
350.1	31971.3	-5.2	-62.5
263.6	34246.0	-7.8	-69.2
250.0	35073.4	-6.2	-77.0
320.0	42855.5	-55.6	32.0
175.6	43437.0	-52.1	
163.5	45575.3	-56.9	
120.0	46775.3	-67.5	

ESTACIONES METEOROLÓGICAS EN LA PROVINCIA DE SANTA FE

TABLE 4

STATION ALTITUDE 4710.40 FEET
26 JUNE 9th 0510 MDT
ASCENSION C.C. 1st

UNPREDICTED DATE
191027Z17
NW 30

SECONIC COORDINATES
32°33'47" LAT DEG
135°49'16" LONG SEC

TABLE 9 Con't

GEOMETRIC ALTITUDE WSL FEET	PRESSURE AT WILTEARS	TEMPERATURE AT DEGREES CENTIGRADE	RELATIVE DEGREE CENTIGRADE	DENSITY PERCENT WATER	SPEED OF WAVE/CUBIC METER	DIRECTION OF REFLECTION	SPEED OF REFRACTION	INDEX OF REFRACTION
2400.0	4150.8	-16.4	-32.9	16.0	521.0	525.7	122.5	1.000127
2450.0	4280.5	-15.7	-26.0	16.0	522.5	525.2	125.4	1.000125
2500.0	4300.3	-15.9	-25.0	16.0	524.2	525.7	132.0	1.000123
2550.0	3920.2	-13.3	-24.2	22.7	522.0	522.0	133.7	1.000121
2600.0	3940.3	-19.7	-25.2	26.0	525.0	525.0	97.4	1.000120
2650.0	3750.5	-21.1	-26.2	27.5	525.0	515.5	57.5	1.000119
2700.0	3660.9	-22.5	-26.7	28.5	517.0	517.0	12.2	1.000118
2750.0	3510.3	-22.5	-79.4	16.7	520.1	516.8	750.5	1.000118
2800.0	3530.3	-25.7	-45.4	16.7	697.0	515.4	748.0	1.000111
2850.0	3660.4	-26.9	-41.1	26.3	686.0	513.9	749.0	1.000110
2900.0	3790.2	-25.1	-41.3	21.0	679.2	512.6	742.0	1.000107
2950.0	3720.1	-27.2	-42.5	21.7	672.0	513.9	746.2	1.000106
3000.0	3750.4	-28.5	-43.3	22.4	662.0	622.6	841.1	1.000104
3050.0	3150.5	-29.7	-44.0	27.1	655.0	527.0	729.0	1.000102
3100.0	3110.8	-29.9	-44.3	23.8	649.0	526.4	717.0	1.000101
3150.0	3750.4	-32.2	-45.7	26.9	647.0	525.1	711.1	1.000099
3200.0	3250.7	-23.0	-42.7	3.6	627.0	535.7	723.0	1.000097
3250.0	3250.5	-24.3	-44.1	35.0	626.1	522.2	710.0	1.000096
3300.0	3850.2	-25.5	-45.5	37.4	619.1	520.5	714.5	1.000094
3350.0	3720.5	-25.7	-45.7	35.7	612.2	520.1	720.0	1.000092
3400.0	3730.7	-27.9	-45.2	34.7	625.0	527.5	724.4	1.000091
3450.0	3770.8	-29.2	-45.2	29.1	798.7	595.9	729.1	1.000090
3500.0	3710.9	-40.5	-54.3	16.7	722.1	524.2	727.5	1.000089
3550.0	3550.1	-41.8	-61.0	10.4	726.0	512.5	714.1	1.000088
3600.0	3520.4	-43.1	-79.3	7.0	729.2	520.7	721.5	1.000087
3650.0	3660.7	-44.4	-52.2	29.1	722.7	592.2	729.0	1.000086
3700.0	3770.1	-45.7	-51.9	16.2	656.2	587.6	316.7	1.000082
3750.0	3750.8	-47.0	-52.1	16.7	359.3	585.7	713.7	1.000080
3800.0	3750.3	-48.4	-52.4	12.0	726.0	527.5	726.0	1.000079
3850.0	3720.1	-49.5	-52.3	12.0	347.5	522.5	716.0	1.000077
3900.0	3700.0	-50.5	-52.5	12.0	641.5	582.0	716.1	1.000075
3950.0	3750.0	-51.8	-52.1	12.0	356.5	579.2	711.4	1.000075
4000.0	3750.0	-52.1	-52.4	12.0	726.0	527.5	726.0	1.000073
4050.0	3750.0	-52.4	-52.3	12.0	346.0	575.0	724.0	1.000072
4100.0	3750.0	-53.0	-52.7	12.0	646.0	574.0	725.0	1.000071
4150.0	3750.9	-57.4	-52.9	12.0	717.0	572.0	572.4	1.000070
4200.0	3750.0	-53.0	-52.4	12.0	357.0	570.0	722.7	1.000069
4250.0	3750.0	-53.3	-52.4	12.0	726.0	569.1	722.1	1.000068
4300.0	3750.0	-54.1	-52.4	12.0	349.0	567.4	724.8	1.000067
4350.0	3750.0	-54.1	-52.7	12.0	726.0	565.7	725.7	1.000066
4400.0	3750.0	-54.1	-52.7	12.0	350.0	565.7	727.1	1.000065

••• AT LEAST ONE ASCHMID RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4310.4 FEET MSL
21 JUNE 1964 0510 MDT
ASCENSION NO. 1

Upper Air Data
101020ZJUN
N 70

SPECIFIC COORDINATES
32°56'7 LAT DEG
136°49'1 LONG DEG

TABLE 9 Cont'd

GEOMETRIC PRESSURE AT SL FLEET	TEMPERATURE DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY SL FLEET	SPEED OF WIND KNOTS	DIRECTION OF WIND DEGREES (T)	SPECIFIC HUMIDITY SUGGESTED REFRACTOMETER READINGS	INDEX OF REFRACTION
4400.0	171.7	~63.4	255.1	554.3	313.4	35.1	1.022363
4450.0	167.5	~64.4	270.5	552.3	319.5	37.2	1.022362
4500.0	153.4	~65.5	274.1	541.6	325.7	37.9	1.022361
4550.0	149.4	~65.5	259.7	559.9	359.7	39.0	1.022360
4600.0	145.4	~67.0	252.7	552.3	352.7	39.7	1.022359
4650.0	151.5	~67.6	254.5	558.9	354.5	40.4	1.022358

STATION ALTITUDE 4310.43 FEET
 25 JUN 53 0510 MDT
 SECTION NO. 1, 15.45.45

MANUFACTORY LEVELS

161022ZJUL
 N 35° 32.434 E 09714.536
 30 LAT 136.49714 SEC

TABLE 10

PRESSURE POTENTIAL MILLIBARS	FEET	TEMPERATURE DEGREES CENTIGRADE			DEWPOINT PERCENT	REL.HUM. PERCENT	WIND DATA CLOUD VISIBILITY DEGREES (TRUE)	WIND SPEED KNOTS
		AIR	DAMPPOINT	PERCENT				
350.0	5264.	22.1	14.2	51.	12.0	6	21.4	
300.0	5765.	19.1	12.1	53.	15.0	8	30.9	
250.0	5571.	14.4	8.5	58.	21.3	7.7		
200.0	12475.	11.1	2.7	56.	57.8	13.4		
150.0	12431.	7.4	-11.1	25.	22.4	17.2		
100.0	14523.	1.5	-10.7	40.	137.4	22.3		
50.0	16936.	-3.3	-15.5	40.	63.6	75.2		
0.0	19244.	-5.5	-21.6	22.	57.8	18.7		
450.0	22741.	-10.3	-31.5	18.	122.5	13.0		
400.0	24980.	-17.0	-35.1	19.	139.3	5.1		
350.0	15215.	-24.3	-42.7	22.	143.6	8.5		
300.0	71417.	-32.3	-42.5	17.	122.7	12.2		
250.0	75267.	-42.2			322.4	23.9		
200.0	40252.	-55.5			305.4	33.1		
150.0	43534.	-62.5			328.4	34.7		
0.0	46581.	-67.5						

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE - 3510 FEET
ELEVATION NO. 7
ASCESSION NO. 7

SIGHTING LEVEL DATA
1015, 1017
JULY 1942
TABLE 11

SPECIFIC COORDINATES
33°15'12" LAT DEG
135°49'51" LON DEG

PRESSURE SIGHTING	ALTITUDE MILLIGRAMS W.E.L. FEET	TEMPERATURE AIR DEGREES CENTIGRADE	REL.HUM. PERCENT
479.2	4551.0	18.3	71.0
572.0	4552.1	21.3	62.0
659.7	4223.2	21.3	66.0
620.0	4014.5	20.6	64.7
561.5	3527.5	21.3	62.0
647.2	3796.5	20.7	67.0
610.3	4755.2	19.5	71.0
772.2	7051.7	17.8	72.0
749.7	2932.7	14.7	53.0
721.4	9676.3	13.0	56.0
620.0	12653.1	15.2	51.0
572.0	11517.2	15.1	52.0
435.0	11811.5	9.2	57.0
517.5	13445.5	5.1	51.0
637.0	16173.5	2.2	56.0
472.0	15545.1	2.2	52.0
522.1	17275.7	5.5	42.0
604.0	19171.5	2.0	42.0
622.0	12381.3	6.5	39.0
473.0	21623.5	8.2	40.1
462.0	22172.0	-10.3	32.0
603.0	25014.7	-12.0	37.0
507.1	27111.5	-22.5	41.3
445.0	28571.4	-24.6	43.1
502.0	31239.7	-12.5	49.3
175.6	32851.0	-7.5	52.0
163.6	34451.5	-6.0	53.0
200.0	34650.4	-4.0	52.0
124.4	33425.4	-8.4	48.4
192.0	47895.3	-5.5	52.0
170.0	44253.2	-5.2	50.0
156.5	45975.2	-5.5	52.0
120.0	65754.5	-57.5	

STATION ALTITUDE 4,051.0' MSL
2 JUNE 34
ASCENSION NO. 72

UPPER AIR DATA
1310-13170
VALLEY

GEODETIC COORDINATES
32° 16' 71" LAT DES
106° 49' 51" LONG E

TABLE 12

GEODETIC ELEVATION MSL FEET	PRESSURE WILHEAUS DEGREES	TEMPERATURE ATMOSPHERE CENTIGRADE	RELATIVE DENSITY	SPEED OF WIND KNOTS	DIRECTION OF WIND DEGREES	DATA SPEED KNOTS	INDEX OF REFRACTION
4251.0	979.2	15.7	1.05	71.0	124.7	592.0	1.000301
4300.0	945.5	21.7	1.052	56.2	1014.3	571.5	1.000301
4320.0	950.4	22.0	1.047	45.0	1003.2	572.5	1.000296
4350.0	925.6	21.1	1.050	46.2	981.8	570.3	1.000293
4370.0	901.1	20.3	1.045	56.1	257.4	592.2	1.000297
4390.0	886.3	19.4	1.052	71.2	954.1	569.7	1.000295
4420.0	792.5	18.0	1.049	21.3	961.8	567.1	1.000292
4450.0	778.0	17.1	1.044	56.2	928.5	565.2	1.000293
4480.0	764.9	15.2	1.053	47.4	912.8	564.2	1.000291
4500.0	751.1	15.5	1.043	55.0	901.4	561.8	1.000293
4520.0	737.8	14.3	1.057	52.2	886.5	562.7	1.000295
4550.0	724.9	12.4	1.053	54.5	974.3	554.1	1.000292
4580.0	711.9	12.1	1.053	57.2	255.8	552.3	1.000294
4600.0	699.1	10.7	1.044	56.2	953.2	557.9	1.000292
4620.0	685.4	10.3	1.049	41.8	940.5	687.1	78.2
4650.0	672.0	10.1	1.055	24.2	322.5	555.2	79.5
4680.0	661.7	9.1	1.053	27.0	818.2	555.1	15.2
4700.0	542.6	7.6	1.042	28.5	946.1	552.6	92.2
4720.0	537.7	5.2	1.042	29.2	737.1	682.1	37.9
4750.0	522.0	5.2	1.041	31.8	352.0	592.3	128.7
4780.0	614.4	4.0	1.052	7.6	277.3	592.2	100.1
4800.0	602.0	3.0	1.042	2.7	259.2	592.7	27.1
4820.0	591.3	1.4	1.055	35.5	742.2	575.2	35.1
4850.0	375.0	2.7	1.042	42.2	278.2	544.2	27.4
4870.0	327.0	1.0	1.052	42.9	277.2	544.2	27.4
4900.0	317.0	1.0	1.047	42.9	277.5	543.4	77.3
4920.0	317.0	1.0	1.047	42.9	277.2	541.9	72.4
4950.0	317.0	1.0	1.047	42.9	277.2	541.9	27.1
4980.0	317.0	1.0	1.047	42.9	277.2	541.9	25.6
5000.0	317.0	1.0	1.047	42.9	277.2	541.9	24.5
5020.0	317.0	1.0	1.047	42.9	277.2	541.9	21.7
5050.0	317.0	1.0	1.047	42.9	277.2	541.9	20.3
5080.0	317.0	1.0	1.047	42.9	277.2	541.9	18.2
5100.0	317.0	1.0	1.047	42.9	277.2	541.9	16.0
5120.0	317.0	1.0	1.047	42.9	277.2	541.9	14.0
5150.0	317.0	1.0	1.047	42.9	277.2	541.9	12.0
5180.0	317.0	1.0	1.047	42.9	277.2	541.9	10.0
5200.0	317.0	1.0	1.047	42.9	277.2	541.9	8.0
5220.0	317.0	1.0	1.047	42.9	277.2	541.9	6.0
5250.0	317.0	1.0	1.047	42.9	277.2	541.9	4.0
5280.0	317.0	1.0	1.047	42.9	277.2	541.9	2.0
5300.0	317.0	1.0	1.047	42.9	277.2	541.9	0.0

STATION ALTITUDE 4051.0 FEET SST
25 JUNE 62 DISINTEGRATION NO. 7

UPPER AIR DATA
1000-0700
JULY
0500 MDT

SPECIFIC COORDINATES
33°15'71" LAT DEG
136°49'51" LONG DEG

TABLE 12 Cont'd

GEOMETRIC ALTITUDE VS L.F.E.T.	PRESSURE IN MILLIBARS	TEMPERATURE IN DEGREES CINTIGRADE	REFL.DUM. PERCENT	INTENSITY SM/CUBIC METER	SPEED OF WIND KNOTS	DIRECTION OF WIND (T)	DEGREES (T)	INDEX OF REFRACTION
24500.0	415.0	-14.0	-15.0	14.0	525.0	114.5	114.5	1.000127
24510.0	408.3	-15.5	-15.5	14.8	525.0	116.6	120.4	1.000125
25200.0	400.6	-17.0	-17.4	15.0	525.0	119.1	17.4	1.000123
25500.0	392.1	-15.1	-15.3	15.2	525.0	123.2	20.7	1.000121
25800.0	384.2	-19.0	-19.0	15.5	525.0	127.4	8.2	1.000119
26500.0	376.4	-20.2	-20.2	15.7	518.7	134.1	5.3	1.000117
27200.0	359.3	-22.1	-21.1	15.9	517.2	128.7	6.5	1.000115
27500.0	351.5	-23.1	-21.8	16.0	507.0	117.5	2.4	1.000113
28000.0	343.2	-23.5	-24.4	16.0	494.1	515.0	3.8	1.000111
28500.0	334.5	-26.0	-25.0	16.0	485.5	514.0	5.9	1.000109
29000.0	329.2	-25.7	-24.0	16.0	477.5	512.8	17.1	1.000107
29500.0	323.1	-26.1	-25.0	16.0	469.0	511.4	12.8	1.000105
30000.0	316.1	-26.1	-25.0	16.0	460.2	502.0	15.3	1.000104
30500.0	310.5	-29.1	-27.0	16.0	454.7	508.4	15.0	1.000102
31000.0	301.7	-30.5	-28.0	16.0	447.4	525.9	17.5	1.000100
31500.0	295.1	-31.7	-29.0	16.0	440.1	505.4	17.0	1.000098
32000.0	289.7	-32.5	-29.0	16.0	432.0	524.0	18.4	1.000097
32500.0	283.3	-32.5	-29.0	16.0	425.0	522.7	20.0	1.000096
33000.0	280.0	-34.9	-31.1	17.1	418.0	510.5	21.5	1.000095
33500.0	275.0	-35.5	-31.2	17.5	411.0	620.0	22.3	1.000094
34000.0	270.0	-34.7	-49.1	16.0	623.0	716.5	26.0	1.000093
34500.0	264.7	-32.7	-49.0	16.0	621.0	727.0	25.1	1.000092
35000.0	259.3	-32.5	-49.0	16.0	610.7	395.7	22.0	1.000091
35500.0	254.0	-34.9	-51.1	17.1	610.0	524.1	22.0	1.000090
36000.0	250.0	-35.5	-51.2	17.5	602.0	714.7	21.5	1.000089
36500.0	245.0	-37.0	-52.5	18.1	603.0	727.4	21.5	1.000088
37000.0	240.0	-38.7	-49.0	16.0	620.0	725.4	20.0	1.000087
37500.0	235.0	-38.7	-49.0	16.0	620.0	725.4	20.0	1.000086
38000.0	230.0	-39.5	-50.0	16.0	618.0	727.0	21.5	1.000085
38500.0	225.0	-40.0	-51.2	17.1	610.0	727.0	21.5	1.000084
39000.0	220.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000083
39500.0	215.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000082
40000.0	210.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000081
40500.0	205.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000080
41000.0	200.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000079
41500.0	195.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000078
42000.0	190.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000077
42500.0	185.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000076
43000.0	180.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000075
43500.0	175.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000074
44000.0	170.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000073
44500.0	165.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000072
45000.0	160.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000071
45500.0	155.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000070
46000.0	150.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000069
46500.0	145.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000068
47000.0	140.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000067
47500.0	135.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000066
48000.0	130.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000065
48500.0	125.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000064
49000.0	120.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000063
49500.0	115.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000062
50000.0	110.0	-40.0	-52.5	17.5	602.0	727.0	21.5	1.000061

REFLECTIVE ANGLES AND ATTITUDE ANGULARITY VALUE ARE IN THE LAST COLUMN.

STATION ALTITUDE 5,164' ELEV. +5'
2 JUN. 3 0500 MDT
ASCENSION No. 7

UNITS OF MEASURE
10³ C.G.S.
141 C.C.T.
141 C.R.
10500 MDT

GEODETIC COORDINATES
33° 15' 71" LAT
105° 45' 51" LONG

TABLE 12 Cont'd

GEODETIC PRESSURE	TEMPERATURE	RELATIVE HUMIDITY	SPEED OF SOUND	ATMOSPHERIC PRESSURE	INDEX OF REFRACTION
ALTITUDE	ALTIMETER	PERCENT	SPED.	DEPRESS.	REFRACT.
WSL FLEET	MILLIBARS DEGREES CENTIGRADI	PERCENT	KNOTS	KNOTS	
4420.0	172.1	76.1	764.2	555.9	1.000045
4450.0	177.9	75.2	778.3	544.3	1.000046
4500.0	152.6	74.4	773.3	552.9	1.000047
4550.0	152.8	75.4	759.7	551.6	1.000048
4600.0	155.9	75.4	757.7	547.1	1.000049
4650.0	152.0	76.1	757.0	559.2	1.000050

STATION ALTITUDE 4251.00 FEET
ASCENSION NO. 7½

WINDY POINT LEVELS
121753Z JUN 78
JALDN

GEODETIC COORDINATES
33°15'12" LAT RES
105°45'11" LONG RES

TABLE 13

ELEVATION MILLIMETERS	DEGREES VITAL FEET	TEMPERATURE		RELATIVE HUMIDITY PERCENT	DIRECTION DEGREES (TN)	WIND SPEED (KNOTS)
		AIR DEGREES	TEMPORARY CENTIGRADE			
650.0	5011.	20.2	16.7	58.	170.1	3.5
674.0	6724.	19.5	13.4	72.	185.1	5.5
752.0	5644.	15.5	8.5	55.	77.4	2.5
791.0	4845.	12.2	2.7	51.	73.4	9.1
852.0	4267.	7.3	-2.7	28.	97.0	13.3
874.0	4141.	2.7	-7.1	42.	91.7	25.5
952.0	1920.	-2.1	-15.4	78.	77.1	25.7
990.0	1375.	-15.4	-12.9	15.	52.3	22.5
464.0	76015.	-10.2	-5.5	14.	99.5	11.3
627.0	74574.	-17.1	-17.4	15.	116.1	13.4
353.0	33210.	-34.0	-42.7	16.	20.1	5.4
774.0	71922.	-29.5	-69.0	15.	154.7	13.2
354.0	45372.	-42.7	-52.7	321.5	77.2	
220.0	43791.	-54.5	-54.5	257.7	73.3	
177.0	43552.	-61.5	-61.5	305.3	42.4	
150.0	46567.	-67.5	-67.5			

* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE USED IN THE INTERPOLATION.

STATION ALTITUDE 4112.4 FEET 45°
27 JUNE 34 0707 MDT
ASCENSION NO. 14.

SIGNIFICANT LEVEL DATA
1P1022C114
N 30

EQUATORIAL COORDINATES
32°38'49" LAT DES
106°49'14" LONG DES

TABLE 14

MILLIBARS	PRESSURE GEOMETRIC MILLIBARS	ALTITUDE MILLIBARS	TEMPERATURE		REL. HUM. PERCENT
			AIR DEGREES	DEW POINT DEGREES CVENTIGRADE	
451.7	6010.6	21.2	13.5	52.0	
372.3	4215.7	20.5	14.0	55.0	
353.0	4520.4	20.8	15.1	70.0	
353.0	5055.5	21.0	14.5	57.0	
253.0	7072.1	12.2	11.5	55.0	
291.6	7225.1	15.4	-3.3	55.0	
251.3	3758.3	15.1	-10.5	16.0	
218.0	10576.2	12.0	-10.7	15.0	
160.0	12783.7	7.7	-3.3	52.0	
144.0	13621.5	5.2	-5.1	44.0	
555.7	17921.2	3.0	-5.8	42.0	
415.7	14777.3	1.4	-5.3	51.0	
537.3	15057.7	.7	-3.3	51.0	
421.0	15174.1	.5	-5.8	52.0	
262.0	15921.0	.7	-5.4	55.0	
780.1	17055.0	.2	-15.1	39.0	
548.1	17680.0	.4	-25.3	15.0	
521.0	18279.7	.2	-25.4	15.0	
542.0	19475.5	.1	-24.3	21.0	
477.0	22242.4	.0	-22.4	12.0	
447.5	25547.5	.0	-20.5	25.0	
416.0	27559.1	.0	-23.2	23.0	
400.0	25076.2	.3	-22.1	25.0	
737.5	25353.2	.0	-22.0	22.0	
475.0	25547.5	.0	-20.5	25.0	
461.0	27559.1	.0	-24.2	12.0	
524.0	22234.2	.0	-40.0	12.0	
467.0	6932.1	.0	-43.0	12.0	
700.0	31979.5	.0	-44.0	25.0	
354.0	34553.0	.0	-49.0	30.0	
157.0	34131.0	.0	-42.0		
120.0	47575.3	.0	-54.0		
172.0	43920.7	.0	-51.2		
153.0	45355.5	.0	-55.0		
150.0	44876.9	.0	-55.0		

STATION ALITUDE 117.000 M.D.T.
ELEVATION NO. 1

卷之三

卷之三

GEOMETRIC PRESSURE ALTITUDE	WSL FUEL	TEMPERATURE		SOUND SPEED		INDEX OF REFRACTION		REFRACTION	
		DEGREES	DEGREES	FEET	FEET	FEET	FEET	FEET	FEET
40° 00' 4	291.7	21.2	13.5	62.5	1.376	1.00000	1.00000	2.9	1.00000
45° 00' 3	365.7	25.8	14.5	62.5	1.376	1.00000	1.00000	2.3	1.00000
50° 00' 2	651.6	21.2	16.7	62.5	1.376	1.00000	1.00000	3.0	1.00000
55° 00' 1	936.7	20.4	12.7	62.5	1.376	1.00000	1.00000	5.4	1.00000
60° 00' 0	622.1	15.7	12.7	62.5	1.376	1.00000	1.00000	7.4	1.00000
65° 00' 0	327.7	19.2	11.4	62.5	1.376	1.00000	1.00000	6.0	1.00000
70° 00' 0	793.5	18.5	11.4	62.5	1.376	1.00000	1.00000	5.4	1.00000
75° 00' 0	779.6	17.7	9.2	62.5	1.376	1.00000	1.00000	7.9	1.00000
80° 00' 0	745.3	17.1	7.0	62.5	1.376	1.00000	1.00000	3.9	1.00000
85° 00' 0	252.1	15.4	4.7	62.5	1.376	1.00000	1.00000	2.9	1.00000
90° 00' 0	275.2	15.3	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
95° 00' 0	725.4	15.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
100° 00' 0	216.4	16.4	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
105° 00' 0	716.2	13.9	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
110° 00' 0	287.8	11.8	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
115° 00' 0	675.0	10.1	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
120° 00' 0	156.7	9.3	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
125° 00' 0	652.7	8.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
130° 00' 0	172.8	6.9	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
135° 00' 0	327.1	5.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
140° 00' 0	615.5	3.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
145° 00' 0	176.1	2.3	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
150° 00' 0	326.5	1.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
155° 00' 0	61.7	1.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
160° 00' 0	155.0	0.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
165° 00' 0	176.9	0.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
170° 00' 0	349.3	-3.1	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
175° 00' 0	322.5	-3.4	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
180° 00' 0	61.7	-3.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
185° 00' 0	155.0	-4.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
190° 00' 0	165.0	-4.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
195° 00' 0	250.0	-5.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
200° 00' 0	62.5	-5.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
205° 00' 0	155.0	-6.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
210° 00' 0	176.9	-6.7	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
215° 00' 0	349.3	-7.2	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
220° 00' 0	322.5	-7.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
225° 00' 0	61.7	-8.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
230° 00' 0	155.0	-8.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
235° 00' 0	176.9	-9.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
240° 00' 0	349.3	-9.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
245° 00' 0	322.5	-10.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
250° 00' 0	61.7	-10.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
255° 00' 0	155.0	-11.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
260° 00' 0	176.9	-11.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
265° 00' 0	349.3	-12.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
270° 00' 0	322.5	-12.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
275° 00' 0	61.7	-13.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
280° 00' 0	155.0	-13.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
285° 00' 0	176.9	-14.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
290° 00' 0	349.3	-14.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
295° 00' 0	322.5	-15.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
300° 00' 0	61.7	-15.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
305° 00' 0	155.0	-16.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
310° 00' 0	176.9	-16.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
315° 00' 0	349.3	-17.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
320° 00' 0	322.5	-17.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
325° 00' 0	61.7	-18.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
330° 00' 0	155.0	-18.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
335° 00' 0	176.9	-19.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
340° 00' 0	349.3	-19.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
345° 00' 0	322.5	-20.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
350° 00' 0	61.7	-20.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
355° 00' 0	155.0	-21.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
360° 00' 0	176.9	-21.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
365° 00' 0	349.3	-22.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
370° 00' 0	322.5	-22.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
375° 00' 0	61.7	-23.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
380° 00' 0	155.0	-23.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
385° 00' 0	176.9	-24.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
390° 00' 0	349.3	-24.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
395° 00' 0	322.5	-25.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
400° 00' 0	61.7	-25.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
405° 00' 0	155.0	-26.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
410° 00' 0	176.9	-26.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
415° 00' 0	349.3	-27.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
420° 00' 0	322.5	-27.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
425° 00' 0	61.7	-28.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
430° 00' 0	155.0	-28.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
435° 00' 0	176.9	-29.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
440° 00' 0	349.3	-29.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
445° 00' 0	322.5	-30.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
450° 00' 0	61.7	-30.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
455° 00' 0	155.0	-31.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
460° 00' 0	176.9	-31.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
465° 00' 0	349.3	-32.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
470° 00' 0	322.5	-32.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
475° 00' 0	61.7	-33.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
480° 00' 0	155.0	-33.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
485° 00' 0	176.9	-34.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
490° 00' 0	349.3	-34.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
495° 00' 0	322.5	-35.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
500° 00' 0	61.7	-35.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
505° 00' 0	155.0	-36.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
510° 00' 0	176.9	-36.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
515° 00' 0	349.3	-37.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
520° 00' 0	322.5	-37.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
525° 00' 0	61.7	-38.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
530° 00' 0	155.0	-38.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
535° 00' 0	176.9	-39.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
540° 00' 0	349.3	-39.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
545° 00' 0	322.5	-40.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
550° 00' 0	61.7	-40.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
555° 00' 0	155.0	-41.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
560° 00' 0	176.9	-41.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
565° 00' 0	349.3	-42.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
570° 00' 0	322.5	-42.5	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
575° 00' 0	61.7	-43.0	1.8	62.5	1.376	1.00000	1.00000	2.7	1.00000
580° 00' 0	155.0	-43.5	1.8	62.5	1.376				

STATION ALTITUDE 4,010.4 FEET
2 JUNE 9th 0707 MDT
ASCENSION NO. 14

WEATHER DATA
151220Z14
N 15° 35' E 32° 35' 47"
LAT 19° 47' 16" LONG 67° 52' 33"

GEODETIC COORDINATES
32° 35' 47" LAT
19° 47' 16" LONG

TABLE I-5 Cont'd

GEODETIC ALTITUDE VAL FINE	PRESSURE MILLIBARS	TEMPERATURE FL. WILDCARDS	RELATIVE HUMIDITY PERCENT	SPEED OF WIND KNOTS	DIRECTION DEGREES	DATA CLOUDS KNOTS	INCLINE OF REFRACTION
2400.0	417.7	-13.5	-77.7	100.9	527.3	126.6	7.7
2450.0	459.4	-15.0	-72.2	26.5	526.7	132.4	6.5
2500.0	461.3	-15.5	-76.1	24.4	526.3	129.7	5.6
2550.0	472.2	-13.0	-72.7	22.4	526.4	129.4	4.4
2600.0	485.3	-19.5	-53.2	20.7	526.5	174.8	3.2
2650.0	477.5	-20.5	-14.9	20.7	526.3	174.8	2.2
2700.0	367.8	-21.5	-15.1	20.1	511.2	129.7	1.7
2750.0	324.2	-23.0	-14.4	19.4	511.2	150.7	1.6
2800.0	314.6	-22.9	-14.2	19.3	511.4	150.7	1.5
2850.0	312.8	-21.8	-14.1	19.2	511.4	150.7	1.4
2900.0	312.5	-20.5	-14.0	19.1	511.4	150.7	1.3
2950.0	312.1	-20.2	-13.9	19.0	511.4	150.7	1.2
3000.0	312.4	-20.2	-13.8	18.9	511.4	150.7	1.1
3050.0	312.4	-20.2	-13.7	18.8	511.4	150.7	1.0
3100.0	312.4	-20.2	-13.6	18.7	511.4	150.7	0.9
3150.0	312.4	-20.2	-13.5	18.6	511.4	150.7	0.8
3200.0	312.4	-20.2	-13.4	18.5	511.4	150.7	0.7
3250.0	312.4	-20.2	-13.3	18.4	511.4	150.7	0.6
3300.0	312.4	-20.2	-13.2	18.3	511.4	150.7	0.5
3350.0	312.4	-20.2	-13.1	18.2	511.4	150.7	0.4
3400.0	312.4	-20.2	-13.0	18.1	511.4	150.7	0.3
3450.0	312.4	-20.2	-12.9	18.0	511.4	150.7	0.2
3500.0	312.4	-20.2	-12.8	17.9	511.4	150.7	0.1
3550.0	312.4	-20.2	-12.7	17.8	511.4	150.7	0.0
3600.0	312.4	-20.2	-12.6	17.7	511.4	150.7	-0.1
3650.0	312.4	-20.2	-12.5	17.6	511.4	150.7	-0.2
3700.0	312.4	-20.2	-12.4	17.5	511.4	150.7	-0.3
3750.0	312.4	-20.2	-12.3	17.4	511.4	150.7	-0.4
3800.0	312.4	-20.2	-12.2	17.3	511.4	150.7	-0.5
3850.0	312.4	-20.2	-12.1	17.2	511.4	150.7	-0.6
3900.0	312.4	-20.2	-12.0	17.1	511.4	150.7	-0.7
3950.0	312.4	-20.2	-11.9	17.0	511.4	150.7	-0.8
4000.0	312.4	-20.2	-11.8	16.9	511.4	150.7	-0.9
4050.0	312.4	-20.2	-11.7	16.8	511.4	150.7	-1.0
4100.0	312.4	-20.2	-11.6	16.7	511.4	150.7	-1.1
4150.0	312.4	-20.2	-11.5	16.6	511.4	150.7	-1.2
4200.0	312.4	-20.2	-11.4	16.5	511.4	150.7	-1.3
4250.0	312.4	-20.2	-11.3	16.4	511.4	150.7	-1.4
4300.0	312.4	-20.2	-11.2	16.3	511.4	150.7	-1.5
4350.0	312.4	-20.2	-11.1	16.2	511.4	150.7	-1.6
4400.0	312.4	-20.2	-11.0	16.1	511.4	150.7	-1.7
4450.0	312.4	-20.2	-10.9	16.0	511.4	150.7	-1.8
4500.0	312.4	-20.2	-10.8	15.9	511.4	150.7	-1.9
4550.0	312.4	-20.2	-10.7	15.8	511.4	150.7	-2.0
4600.0	312.4	-20.2	-10.6	15.7	511.4	150.7	-2.1
4650.0	312.4	-20.2	-10.5	15.6	511.4	150.7	-2.2
4700.0	312.4	-20.2	-10.4	15.5	511.4	150.7	-2.3
4750.0	312.4	-20.2	-10.3	15.4	511.4	150.7	-2.4
4800.0	312.4	-20.2	-10.2	15.3	511.4	150.7	-2.5
4850.0	312.4	-20.2	-10.1	15.2	511.4	150.7	-2.6
4900.0	312.4	-20.2	-10.0	15.1	511.4	150.7	-2.7
4950.0	312.4	-20.2	-9.9	15.0	511.4	150.7	-2.8
5000.0	312.4	-20.2	-9.8	14.9	511.4	150.7	-2.9
5050.0	312.4	-20.2	-9.7	14.8	511.4	150.7	-3.0
5100.0	312.4	-20.2	-9.6	14.7	511.4	150.7	-3.1
5150.0	312.4	-20.2	-9.5	14.6	511.4	150.7	-3.2
5200.0	312.4	-20.2	-9.4	14.5	511.4	150.7	-3.3
5250.0	312.4	-20.2	-9.3	14.4	511.4	150.7	-3.4
5300.0	312.4	-20.2	-9.2	14.3	511.4	150.7	-3.5
5350.0	312.4	-20.2	-9.1	14.2	511.4	150.7	-3.6
5400.0	312.4	-20.2	-9.0	14.1	511.4	150.7	-3.7
5450.0	312.4	-20.2	-8.9	14.0	511.4	150.7	-3.8
5500.0	312.4	-20.2	-8.8	13.9	511.4	150.7	-3.9
5550.0	312.4	-20.2	-8.7	13.8	511.4	150.7	-4.0
5600.0	312.4	-20.2	-8.6	13.7	511.4	150.7	-4.1
5650.0	312.4	-20.2	-8.5	13.6	511.4	150.7	-4.2
5700.0	312.4	-20.2	-8.4	13.5	511.4	150.7	-4.3
5750.0	312.4	-20.2	-8.3	13.4	511.4	150.7	-4.4
5800.0	312.4	-20.2	-8.2	13.3	511.4	150.7	-4.5
5850.0	312.4	-20.2	-8.1	13.2	511.4	150.7	-4.6
5900.0	312.4	-20.2	-8.0	13.1	511.4	150.7	-4.7
5950.0	312.4	-20.2	-7.9	13.0	511.4	150.7	-4.8
6000.0	312.4	-20.2	-7.8	12.9	511.4	150.7	-4.9
6050.0	312.4	-20.2	-7.7	12.8	511.4	150.7	-5.0
6100.0	312.4	-20.2	-7.6	12.7	511.4	150.7	-5.1
6150.0	312.4	-20.2	-7.5	12.6	511.4	150.7	-5.2
6200.0	312.4	-20.2	-7.4	12.5	511.4	150.7	-5.3
6250.0	312.4	-20.2	-7.3	12.4	511.4	150.7	-5.4
6300.0	312.4	-20.2	-7.2	12.3	511.4	150.7	-5.5
6350.0	312.4	-20.2	-7.1	12.2	511.4	150.7	-5.6
6400.0	312.4	-20.2	-7.0	12.1	511.4	150.7	-5.7
6450.0	312.4	-20.2	-6.9	12.0	511.4	150.7	-5.8
6500.0	312.4	-20.2	-6.8	11.9	511.4	150.7	-5.9
6550.0	312.4	-20.2	-6.7	11.8	511.4	150.7	-6.0
6600.0	312.4	-20.2	-6.6	11.7	511.4	150.7	-6.1
6650.0	312.4	-20.2	-6.5	11.6	511.4	150.7	-6.2
6700.0	312.4	-20.2	-6.4	11.5	511.4	150.7	-6.3
6750.0	312.4	-20.2	-6.3	11.4	511.4	150.7	-6.4
6800.0	312.4	-20.2	-6.2	11.3	511.4	150.7	-6.5
6850.0	312.4	-20.2	-6.1	11.2	511.4	150.7	-6.6
6900.0	312.4	-20.2	-6.0	11.1	511.4	150.7	-6.7
6950.0	312.4	-20.2	-5.9	11.0	511.4	150.7	-6.8
7000.0	312.4	-20.2	-5.8	10.9	511.4	150.7	-6.9
7050.0	312.4	-20.2	-5.7	10.8	511.4	150.7	-7.0
7100.0	312.4	-20.2	-5.6	10.7	511.4	150.7	-7.1
7150.0	312.4	-20.2	-5.5	10.6	511.4	150.7	-7.2
7200.0	312.4	-20.2	-5.4	10.5	511.4	150.7	-7.3
7250.0	312.4	-20.2	-5.3	10.4	511.4	150.7	-7.4
7300.0	312.4	-20.2	-5.2	10.3	511.4	150.7	-7.5
7350.0	312.4	-20.2	-5.1	10.2	511.4	150.7	-7.6
7400.0	312.4	-20.2	-5.0	10.1	511.4	150.7	-7.7
7450.0	312.4	-20.2	-4.9	10.0	511.4	150.7	-7.8
7500.0	312.4	-20.2	-4.8	9.9	511.4	150.7	-7.9
7550.0	312.4	-20.2	-4.7	9.8	511.4	150.7	-8.0
7600.0	312.4	-20.2	-4.6	9.7	511.4	150.7	-8.1
7650.0	312.4	-20.2	-4.5	9.6	511.4	150.7	-8.2
7700.0	312.4	-20.2	-4.4	9.5	511.4	150.7	-8.3
7750.0	312.4	-20.2	-4.3	9.4	511.4	150.7	-8.4
7800.0	312.4	-20.2	-4.2	9.3	511.4	150.7	-8.5
7850.0	312.4	-20.2	-4.1	9.2	511.4	150.7	-8.6
7900.0	312.4	-20.2	-4.0	9.1	511.4	150.7	-8.7
7950.0	312.4	-20.2	-3.9	9.0	511.4	150.7	-8.8
8000.0	312.4	-20.2	-3.8	8.9	511.4	150.7	-8.9
8050.0	312.4	-20.2	-3.7	8.8	511.4	150.7	-9.0
8100.0	312.4	-20.2	-3.6	8.7	511.4	150.7	-9.1
8150.0	312.4	-20.2	-3.5	8.6	511.4	150.7	-9.2
8200.0	312.4	-20.2	-3.4	8.5	511.4	150.7	-9.3
8250.0	312.4	-20.2	-3.3	8.4	511.4	150.7	-9.4
8300.0	312.4	-20.2	-3.2	8.3	511.4	150.7	-9.5
8350.0	312.4	-20.2	-3.1	8.2	511.4	150.7	-9.6
8400.0	312.4	-20.2	-3.0	8.1	511.4	150.7	-9.7
8450.0	312.4	-20.2	-2.9	8.0	511.4	150.7	-9.8
8500.0	312.4	-20.2	-2.8	7.9	511.4	150.7	-9.9
8550.0	312.4	-20.2	-2.7	7.8	511.4	150.7	-10.0
8600.0	312.4	-20.2	-2.6	7.7	511.4	150.7	-10.1
8650.0	312.4	-20.2	-2.5	7.6	511.4	150.7	-10.2
8700.0	312.4	-20.2	-2.4	7.5	511.4	150.7	-10.3
8750.0	312.4	-20.2	-2.3	7.4	511.4	150.7	-10.4
8800.0	312.4	-20.2	-2.2	7.3	511.4	150.7	-10.5
8850.0	312.4	-20.2	-2.1	7.2	511.4	150.7	-10.6
8900.0	312.4	-20.2	-2.0	7.1	511.4	150.7	-10.7
8950.0	312.4	-20.2	-1.9	7.0	511.4	150.7	-10.8
9000.0	312.4	-20.2	-1.8	6.9	511.4	150.7	-10.9
9050.0	312.4						

STATION ALTITUDE 4712.4 FT
77 JUNE 52 0707 MDT
ASCENSION NO. 14

JETT R 112.4 FT
191200Z 14
N 32° 8.86477 LAT DES
106.69714 LONG DES

TABLE 15 Cont'd

GEOMETRIC PRESSURE	TEMPERATURE	RELAT. HUMIDITY	SPEED OF SOUND	DIRECTION	SPEED	INDEX
ALTITUDE	DEG	PERCENT	MPH	DEGREES (TRUE)	KNOTS	OF REFRACTION
VSL FEET		DEGREES	KNOTS			
44300.0	172.0	-61.6	254.4	567.0	116.2	1.00043
44500.0	155.7	-62.1	276.7	555.7	719.8	1.00044
45000.0	144.0	-63.3	277.2	554.4	726.3	1.00045
45500.0	135.5	-62.2	247.3	553.1	732.8	1.00046
46000.0	125.7	-65.0	257.4	561.8	736.0	1.00047
46500.0	116.3	-65.0	254.7	551.5	732.6	1.00048

STATION ALTITUDE
27,347 FEET
ASCENSION NO. 14

STATIONARY LEVELS
1010270016
N 35° 32.38697 LAT DEG
106.49716 LONG DEG

TABLE 16

PRESSURE (SEASCAPE)	TEMPERATURE	REL. HUM.	WIND DATA
MILLIBARS	AIR DEGREE CENTIGRADE	PERCENT	DIRECTION DEGREES(CITY) (CITY)
55.0	21.0	14.4	57.0 7.2 3.0
57.0	12.5	12.5	55.0 31.7 4.0
75.0	15.5	3.6	43.0 51.5 2.1
70.0	12.0	-12.7	12.0 32.5 15.7
65.0	12.0	-9.4	27.4 21.3
65.0	7.0	-9.4	35.0 21.3
65.0	1.0	-5.7	55.0 29.7 21.4
55.0	-2.0	-14.5	41.0 25.0 22.3
55.0	-5.1	-24.9	21.0 78.1 16.2
45.0	-22.9	-12.7	32.0 117.7 10.1
40.0	-25.3	-32.1	25.0 12.7 5.5
35.0	-22.7	-45.4	12.0 34.0 7.6
35.0	-19.1	-32.0	28.0 31.1 22.2
25.0	-7.5	-42.0	42.0 32.4 71.2
20.0	-0.3	-5.0	35.0 32.4 32.4
17.5	43.5	-0.0	31.0 35.0
15.0	45.0	-6.0	

* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4751.00 FEET
17 JUNE 1954
0740 MDT
ASCENSION IS.

SIGNIFICANT LEVEL DATA
161000Z 17
TABLE 4
TABLE 17

SEASITE RECORDING
32° 15' 12" LAT 90°
135° 45' 11" LONG

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE METERS	TEMPERATURE AIR - POINT DEGREES CENTIGRADE	REL. HUM. PERCENT
379.5	4651.0	20.2	52.0
379.1	4724.7	21.6	51.9
379.0	5527.9	21.6	55.0
375.3	5577.5	20.0	53.0
372.2	4725.3	20.2	51.4
374.5	3745.5	14.7	57.0
370.0	1947.5	12.4	55.3
368.5	1977.6	12.4	53.3
367.1	1965.6	12.4	55.1
375.0	1457.5	7.6	52.0
365.0	1527.7	10.8	55.7
365.0	1527.7	10.8	55.0
364.2	1535.5	10.2	55.7
355.0	1451.5	10.8	57.0
325.0	1757.7	3.2	54.3
320.0	1932.5	5.1	57.5
422.4	2147.1	-2.9	51.5
400.0	2515.0	-13.1	55.0
329.5	2727.4	-12.4	51.3
344.7	2901.0	-25.3	42.5
331.4	2954.7	-27.5	44.3
320.0	3187.9	-28.2	43.3
329.1	3425.6	-29.1	45.3
327.6	3561.0	-41.7	21.0
328.2	3723.7	-43.4	17.0
327.0	3783.1	-45.3	12.0
328.8	4437.0	-53.1	10.0
327.0	4477.5	-55.7	10.0
325.4	4827.5	-42.6	10.0
329.5	4251.2	-56.4	10.0
311.8	3550.0	-71.2	10.0
314.7	5777.5	-71.7	10.0
317.0	5657.7	-52.5	10.0
327.1	5855.0	-49.7	10.0
320.4	5721.7	-71.5	10.0
320.4	5227.7	-55.7	10.0
327.0	5174.2	-53.2	10.0

TABLE 18

卷之三

GEOMETRIC PRESSURE	TEMPERATURE	AIR DEWPONT		REL.HUM. PERCENT	DENSITY METER	SPEED OF WIND	DATA	INDEX OF REFRACTION
		DEGREES	CENTIGRADE					
WSL FLEET	WILLIAMS	DEGREES	MILLIBARS	DEGREES(F) METERS	SPEED OF WIND	DIRECTION AND SPEED	REFRACTION	
4551.3	875.6	12.4	14.1	52.3	570.3	45.7	4.1	1.000203
4550.2	875.9	21.7	14.9	51.3	571.3	32.5	3.2	1.000205
4550.0	875.5	71.3	14.4	54.5	571.0	22.3	3.6	1.000225
5550.2	876.0	22.0	12.9	58.2	559.5	12.7	3.5	1.000243
4263.3	371.4	22.1	13.3	43.7	559.2	5.9	1.0002282	
6550.0	357.1	22.4	12.3	59.4	557.5	63.4	5.0	1.0002274
7502.3	723.0	19.5	12.5	57.3	537.3	53.5	5.8	1.000245
7512.3	727.0	18.2	9.5	57.3	926.1	26.1	3.8	1.000243
6503.2	765.2	16.6	6.2	57.3	916.5	55.1	29.3	1.000253
6552.2	751.6	15.4	5.3	57.3	903.1	653.4	3.4	1.0002262
7200.2	74.8.4	14.3	4.5	52.3	527.2	552.0	2.8	1.000233
6522.2	725.2	23.0	1.2	42.2	977.2	550.8	56.7	1.000223
10032.3	711.2	12.9	-3.2	32.4	865.2	559.7	75.3	1.000213
13552.3	526.4	12.1	-5.2	23.2	952.5	553.6	32.7	12.5
11630.2	586.9	11.3	-7.2	7.2	940.5	557.3	25.2	15.2
11550.3	674.3	9.3	-5.4	51.1	929.4	556.1	96.2	1.000212
12032.2	565.1	5.6	-7.6	70.3	917.0	654.6	25.2	1.000193
14547.2	352.0	7.3	-10.2	27.5	926.1	552.1	27.7	12.3
12560.2	376.0	5.7	-5.3	33.5	734.7	551.5	32.7	12.5
13542.2	522.2	4.7	-7.9	79.4	733.5	550.3	93.4	19.3
14542.2	514.6	3.4	-7.3	65.4	772.5	64.8	120.6	27.2
14542.2	503.2	2.1	-6.9	51.3	751.7	647.1	130.2	21.1
14542.2	522.1	1.3	-6.5	58.2	751.5	545.4	32.7	21.5
15552.2	392.3	-1.9	-7.6	59.2	761.4	653.5	37.8	21.6
14552.2	252.9	-2.1	-9.6	56.0	737.2	542.0	27.1	21.4
13552.2	252.1	-2.0	-15.7	56.2	719.4	541.2	26.7	21.4
17030.2	546.4	-12.5	-21.7	21.5	736.1	542.3	22.3	21.5
17512.2	375.0	-2.7	-7.8	17.7	652.5	540.9	25.8	21.0
12552.2	125.2	-2.1	-25.4	16.8	651.8	542.3	27.7	21.8
12552.2	517.5	-0.9	-25.4	16.5	652.3	542.3	27.7	21.8
13512.2	517.7	-0.5	-25.0	16.5	670.7	537.3	36.4	21.8
16512.2	157.7	-5.5	-27.5	16.2	668.2	537.7	31.4	21.2
17512.2	157.5	-5.2	-26.3	15.9	669.3	535.6	32.5	17.2
12512.2	625.4	-7.6	-26.7	15.7	652.5	535.4	37.1	17.8
12512.2	472.7	-7.4	-26.4	15.6	629.4	534.3	33.7	16.0
12512.2	517.5	-0.9	-25.0	15.3	612.4	533.1	32.1	12.1
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7	27.1	12.4
12512.2	472.7	-7.4	-26.4	15.6	515.2	515.2	31.6	17.8
12512.2	517.5	-0.9	-25.0	15.3	531.7	527.3	33.6	16.0
16512.2	157.5	-5.2	-27.1	17.7	511.7	511.7	27.1	12.4
17512.2	157.5	-5.2	-26.3	15.7	511.7	511.7	27.1	12.4
12512.2	625.4	-7.6	-26.7	15.7	511.7	511.7		

STATION ALTITUDE 4,155 FEET "31
AS OF 8⁰
ASCENSION NO. 73

UPPER AIR DATA
1010Z 0740 MDT
JULY

STATION COORDINATES
35°16'12" LAT FG
115°49'51" LONG

TABLE 18 Cont'd

GEOMETRIC ALTITUDE W.S.L. FEET	PRESSURE MILIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	REFRACTIVE INDEX DECIMAL	DENSITY METER	PERCENT WATER VAPOR	SPECIFIC HEAT KJ/KG	DIR. DEGREES (TQD)	WIND SPEED (KTS)	WIND DATA INDEX
2475.0	1010.6	-15.0	17.9	525.1	121.8	3.6	1.000122		
2452.3	1010.4	-15.1	16.4	525.7	127.2	3.2	1.000125		
2570.0	1010.3	-15.1	16.5	524.5	122.1	3.7	1.000125		
2555.0	1010.2	-15.1	16.5	524.1	126.7	4.7	1.000121		
2520.0	1010.1	-15.1	16.5	523.7	145.4	5.4	1.000119		
2505.0	1010.1	-15.1	16.5	523.3	157.2	7.4	1.000119		
2480.0	1010.2	-15.1	16.5	523.1	157.2	7.4	1.000119		
2455.0	1010.2	-15.1	16.5	523.5	156.4	7.4	1.000119		
2430.0	1010.2	-15.1	16.5	523.1	156.4	7.4	1.000119		
2405.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2380.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2355.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2330.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2305.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2280.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2255.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2230.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2205.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2180.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2155.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2130.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2105.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2080.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2055.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2030.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
2005.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1980.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1955.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1930.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1905.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1880.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1855.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1830.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1805.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1780.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1755.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1730.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1705.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1680.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1655.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1630.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1605.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1580.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1555.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1530.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1505.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1480.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1455.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1430.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1405.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1380.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1355.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1330.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1305.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1280.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1255.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1230.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1205.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1180.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1155.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1130.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1105.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1080.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1055.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1030.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
1005.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
980.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
955.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
930.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
905.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
880.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
855.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
830.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
805.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
780.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
755.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
730.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
705.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
680.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
655.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
630.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
605.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
580.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
555.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
530.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
505.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
480.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
455.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
430.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
405.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
380.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
355.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
330.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
305.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
280.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
255.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
230.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
205.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
180.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
155.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
130.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
105.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
80.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
55.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
30.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
5.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-25.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-50.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-75.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-100.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-125.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-150.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		
-175.0	1010.2	-15.1	16.5	523.7	175.3	14.2	1.000115		

STATION ALTITUDE 101.0 FEET MSL
12 JUN 82 0740 MDT
ASCENSION NO. 7

JPFK AIR DATA

101000Z

JALLEY

GEODETIC COORDINATES
33.15712 LAT DEG
196.49511 LNG DEG

TABLE 18 Cont'd

GEOMETRIC ALTITUDE FEET	PRESSURE IN. Hg	TEMPERATURE DEGREES FAHRENHEIT	REL-HUM. PERCENT	DENSITY GR/CUBIC METER	SPEED OF WIND DATA	DIRECTION OF WIND	INDEX OF REFRACTION
WELL F.E.T.	MILLIBARS	DEGREES C	PERCENT	GR/CUBIC METER	KNOTS	DEGREES(C)	REFRACTION
442	10.2	171.3	62.9	227.5	353.3	324.2	1.000043
445	9.3	167.8	63.3	277.3	564.3	322.2	1.000042
450	8.6	163.3	64.3	271.9	567.4	351.9	1.000041
455	8.0	157.8	64.7	266.1	552.5	356.5	1.0000405
460	7.3	155.4	65.1	255.4	561.5	41.2	1.0000403
465	6.7	151.0	65.5	254.3	560.7	47.5	1.0000402
470	6.2	147.6	65.7	240.4	559.8	51.3	1.0000401
475	5.9	144.1	67.4	244.3	553.2	353.7	1.0000400
480	5.6	143.5	65.0	238.7	558.0	357.8	1.0000399
485	5.3	139.0	62.4	232.2	557.5	359.2	1.0000398
490	5.0	137.0	62.4	227.5	557.5	357.5	1.0000397
495	4.8	135.5	65.4	227.5	557.5	357.5	1.0000396
500	4.6	132.3	63.4	221.2	557.4	354.7	1.0000395
505	4.4	127.8	64.7	214.3	555.3	352.7	1.0000394
510	4.3	125.3	64.0	211.3	556.3	351.1	1.0000393
515	4.2	123.7	62.1	207.1	555.2	351.4	1.0000392
520	4.1	117.7	71.7	202.4	554.3	352.4	1.0000391
525	4.0	114.7	71.1	192.2	553.2	357.8	1.0000390
530	3.9	111.2	70.7	177.5	552.7	354.5	1.0000389
535	3.8	106.8	70.1	158.5	552.4	354.2	1.0000388
540	3.7	105.2	71.7	152.7	552.4	354.3	1.0000387
545	3.6	101.7	71.1	178.5	553.7	355.7	1.0000386
550	3.5	100.2	71.1	172.7	555.4	355.2	1.0000385
555	3.4	95.4	69.4	138.4	555.1	354.8	1.0000384
560	3.3	92.7	69.7	164.6	555.4	353.2	1.0000383
565	3.2	90.3	70.3	157.3	554.8	358.2	1.0000382
570	3.1	87.7	70.3	154.3	554.7	355.7	1.0000381
575	3.0	85.4	71.4	152.2	553.6	353.2	1.0000380
580	2.9	82.4	71.4	149.3	553.5	356.7	1.0000379
585	2.8	80.7	71.7	146.3	556.7	37.1	1.0000378
590	2.7	78.5	71.4	136.2	553.5	41.9	1.0000377
595	2.6	76.4	71.4	132.3	553.3	12.1	1.0000376
600	2.5	74.4	70.7	146.4	553.5	15.7	1.0000375
605	2.4	72.4	70.7	140.4	556.7	13.7	1.0000374
610	2.3	70.4	70.7	136.4	556.7	25.0	1.0000373
615	2.2	68.4	70.7	127.3	553.2	25.2	1.0000372
620	2.1	66.4	70.7	125.7	552.7	23.6	1.0000371
625	2.0	64.4	70.7	124.4	542.1	24.6	1.0000370
630	1.9	62.4	70.7	122.1	552.1	11.3	1.0000369
635	1.8	60.4	70.7	117.3	552.0	11.3	1.0000368
640	1.7	58.4	70.7	112.7	552.0	11.3	1.0000367
645	1.6	56.4	70.7	108.1	552.0	11.3	1.0000366
650	1.5	54.4	70.7	103.5	552.0	11.3	1.0000365
655	1.4	52.4	70.7	98.9	552.0	11.3	1.0000364
660	1.3	50.4	70.7	94.3	552.0	11.3	1.0000363
665	1.2	48.4	70.7	89.7	552.0	11.3	1.0000362
670	1.1	46.4	70.7	85.1	552.0	11.3	1.0000361
675	1.0	44.4	70.7	80.5	552.0	11.3	1.0000360
680	0.9	42.4	70.7	75.9	552.0	11.3	1.0000359
685	0.8	40.4	70.7	71.3	552.0	11.3	1.0000358
690	0.7	38.4	70.7	66.7	552.0	11.3	1.0000357
695	0.6	36.4	70.7	62.1	552.0	11.3	1.0000356
700	0.5	34.4	70.7	57.5	552.0	11.3	1.0000355
705	0.4	32.4	70.7	52.9	552.0	11.3	1.0000354
710	0.3	30.4	70.7	48.3	552.0	11.3	1.0000353
715	0.2	28.4	70.7	43.7	552.0	11.3	1.0000352
720	0.1	26.4	70.7	39.1	552.0	11.3	1.0000351
725	0.0	24.4	70.7	34.5	552.0	11.3	1.0000350
730	-0.1	22.4	70.7	29.9	552.0	11.3	1.0000349
735	-0.2	20.4	70.7	25.3	552.0	11.3	1.0000348
740	-0.3	18.4	70.7	20.7	552.0	11.3	1.0000347
745	-0.4	16.4	70.7	16.1	552.0	11.3	1.0000346
750	-0.5	14.4	70.7	11.5	552.0	11.3	1.0000345
755	-0.6	12.4	70.7	6.9	552.0	11.3	1.0000344
760	-0.7	10.4	70.7	2.3	552.0	11.3	1.0000343
765	-0.8	8.4	70.7	-1.8	552.0	11.3	1.0000342
770	-0.9	6.4	70.7	-6.4	552.0	11.3	1.0000341
775	-1.0	4.4	70.7	-11.8	552.0	11.3	1.0000340
780	-1.1	2.4	70.7	-17.2	552.0	11.3	1.0000339
785	-1.2	0.4	70.7	-22.6	552.0	11.3	1.0000338
790	-1.3	-1.6	70.7	-28.0	552.0	11.3	1.0000337
795	-1.4	-5.6	70.7	-33.4	552.0	11.3	1.0000336
800	-1.5	-9.6	70.7	-38.8	552.0	11.3	1.0000335
805	-1.6	-13.6	70.7	-44.2	552.0	11.3	1.0000334
810	-1.7	-17.6	70.7	-49.6	552.0	11.3	1.0000333
815	-1.8	-21.6	70.7	-55.0	552.0	11.3	1.0000332
820	-1.9	-25.6	70.7	-60.4	552.0	11.3	1.0000331
825	-2.0	-29.6	70.7	-65.8	552.0	11.3	1.0000330
830	-2.1	-33.6	70.7	-71.2	552.0	11.3	1.0000329
835	-2.2	-37.6	70.7	-76.6	552.0	11.3	1.0000328
840	-2.3	-41.6	70.7	-82.0	552.0	11.3	1.0000327
845	-2.4	-45.6	70.7	-87.4	552.0	11.3	1.0000326
850	-2.5	-49.6	70.7	-92.8	552.0	11.3	1.0000325
855	-2.6	-53.6	70.7	-98.2	552.0	11.3	1.0000324
860	-2.7	-57.6	70.7	-103.6	552.0	11.3	1.0000323
865	-2.8	-61.6	70.7	-109.0	552.0	11.3	1.0000322
870	-2.9	-65.6	70.7	-114.4	552.0	11.3	1.0000321
875	-3.0	-69.6	70.7	-119.8	552.0	11.3	1.0000320
880	-3.1	-73.6	70.7	-125.2	552.0	11.3	1.0000319
885	-3.2	-77.6	70.7	-130.6	552.0	11.3	1.0000318
890	-3.3	-81.6	70.7	-136.0	552.0	11.3	1.0000317
895	-3.4	-85.6	70.7	-141.4	552.0	11.3	1.0000316
900	-3.5	-89.6	70.7	-146.8	552.0	11.3	1.0000315
905	-3.6	-93.6	70.7	-152.2	552.0	11.3	1.0000314
910	-3.7	-97.6	70.7	-157.6	552.0	11.3	1.0000313
915	-3.8	-101.6	70.7	-163.0	552.0	11.3	1.0000312
920	-3.9	-105.6	70.7	-168.4	552.0	11.3	1.0000311
925	-4.0	-109.6	70.7	-173.8	552.0	11.3	1.0000310
930	-4.1	-113.6	70.7	-179.2	552.0	11.3	1.0000309
935	-4.2	-117.6	70.7	-184.6	552.0	11.3	1.0000308
940	-4.3	-121.6	70.7	-189.9	552.0	11.3	1.0000307
945	-4.4	-125.6	70.7	-195.3	552.0	11.3	1.0000306
950	-4.5	-129.6	70.7	-200.7	552.0	11.3	1.0000305
955	-4.6	-133.6	70.7	-206.1	552.0	11.3	1.0000304
960	-4.7	-137.6	70.7	-211.5	552.0	11.3	1.0000303
965	-4.8	-141.6	70.7	-216.9	552.0	11.3	1.0000302
970	-4.9	-145.6	70.7	-222.3	552.0	11.3	1.0000301
975	-5.0	-149.6	70.7	-227.7	552.0	11.3	1.0000300
980	-5.1	-153.6	70.7	-233.1	552.0	11.3	1.0000299
985	-5.2	-157.6	70.7	-238.5	552.0	11.3	1.0000298
990	-5.3	-161.6	70.7	-243.9	552.0	11.3	1.0000297
995	-5.4	-165.6	70.7	-249.3	552.0	11.3	1.0000296
1000	-5.5	-169.6	70.7	-254.7	552.0	11.3	1.0000295
1005	-5.6	-173.6	70.7	-260.1	552.0	11.3	1.0000294
1010	-5.7	-177.6	70.7	-265.5	552.0	11.3	1.0000293
1015	-5.8	-181.6	70.7	-270.9	552.0	11.3	1.0000292
1020	-5.9	-185.6	70.7	-276.3	552.0	11.3	1.0000291
1025	-6.0	-189.6	70.7	-281.7	552.0	11.3	1.0000290
1030	-6.1	-193.6	70.7	-287.1	552.0	11.3	1.0000289
1035	-6.2	-197.6	70.7	-292.5	552.0	11.3	1.0000288
1040	-6.3	-201.6	70.7	-297.9	552.0	11.3	1.0000287
1045	-6.4	-205.6	70.7	-303.3	552.0	11.3	1.0000286
1050	-6.5	-209.6	70.7	-308.7	552.0	11.3	1.0000285
1055	-6.6	-213.6	70.7	-314.1	552.0	11.3	1.0000284
1060	-6.7	-217.6	70.7	-319.5	552.0	11.3	1.0000283
1065	-6.8	-221.6	70.7	-324.9	552.0	11.3	1.0000282
1070	-6.9	-225.6	70.7	-330.3	552.0	11.3	1.0000281
1075	-7.0	-229.6	70.7	-335.7	552.0	11.3	1.0000280
108							

STATION ALTITUDE 721.00 FEET
C. 170° 22' S
ELEVATION NO. 75
0740 MDT

MANUFACTORY LEVELS
15 170° 22' S
JALLEY

GEODETIC COORDINATES
31° 15' 71" LAT DEG
126° 49' 51" LONG DEG

TABLE 19

PRESSURE (INCHES)	TEMPERATURE DEGREES	RELATIVE HUMIDITY PERCENT	DIRECTING DATA	
			DEGREES	CENTIGRADE
50.0	59.25*	21.3	14.5	55.
51.0	57.45*	22.2	11.5	57.
52.0	55.65*	15.2	5.0	57.
53.0	42.45*	12.2	-8.2	23.
54.0	12.45*	7.3	-17.7	23.
55.0	12.45*	1.7	-6.6	53.
56.0	14.55*	-1.7	-21.6	22.
57.0	18.95*	-12.2	-27.0	15.
58.0	19.75*	-5.7	-32.2	15.
59.0	22.55*	-11.4	-32.2	15.
60.0	44.75*	-13.1	-15.0	19.
61.0	51.67*	-15.6	-6.2	19.
62.0	52.00*	-15.6	-6.2	19.
63.0	51.17*	-17.1	-6.7	20.
64.0	53.32*	-43.7	-	33.
65.0	43.23*	-45.2	-	33.
66.0	43.42*	-61.5	-	33.
67.0	45.58*	-45.7	-	32.
68.0	51.75*	-69.2	-	31.5
69.0	54.11*	-69.5	-	35.0
70.0	56.96*	-67.7	-	34.5
71.0	61.52*	-62.2	-	36.3

* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

**DATE
TIME**